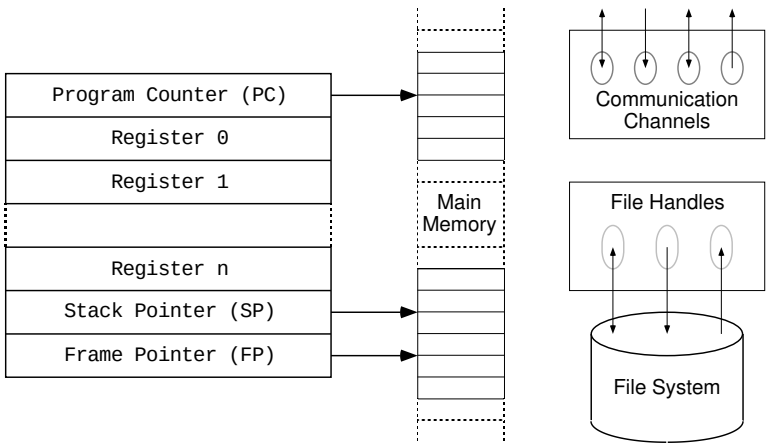
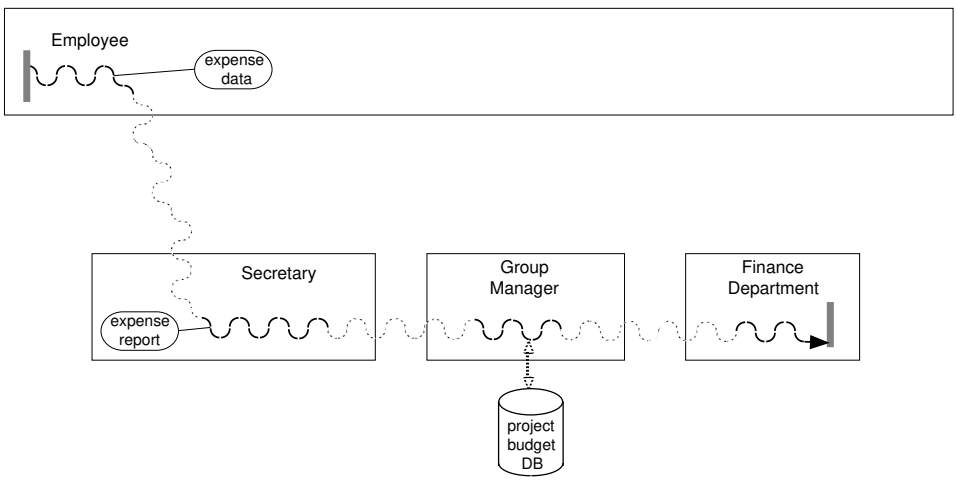
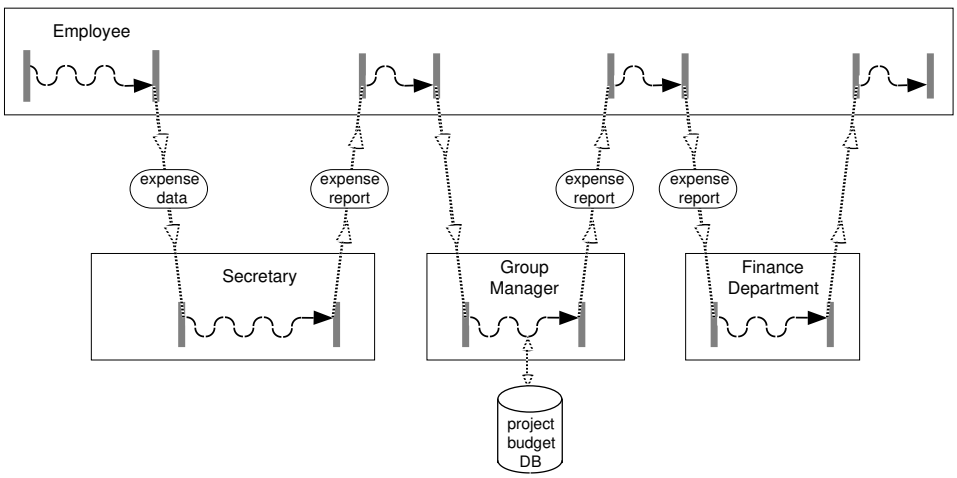
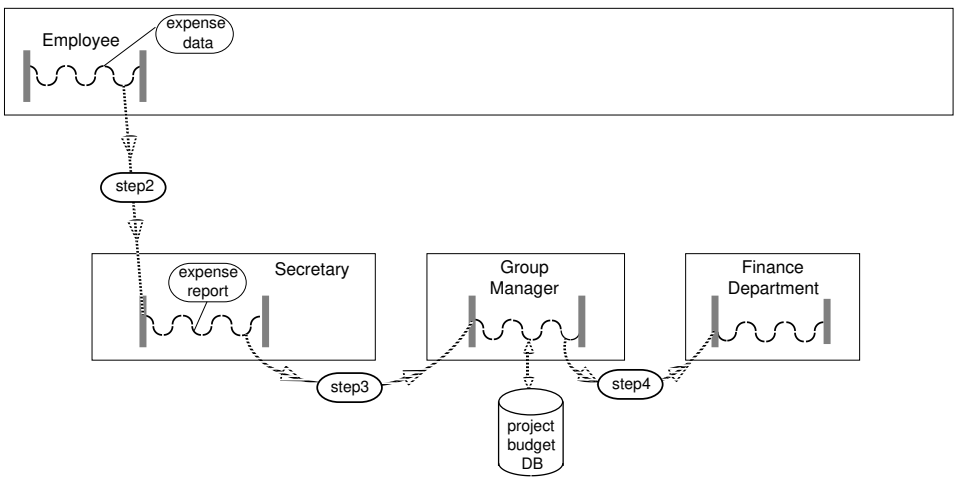
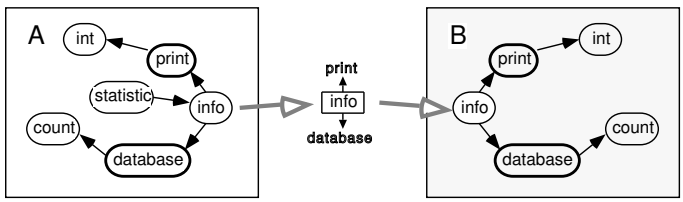
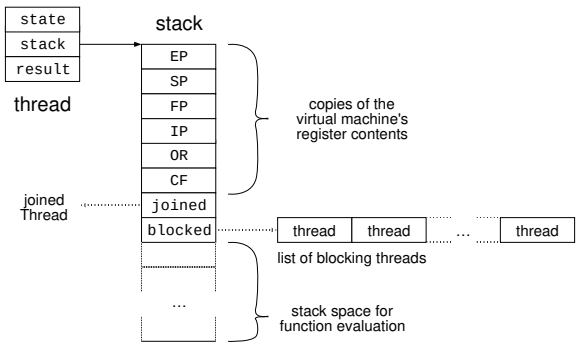

Program Counter (PC)
Register 0
Register 1
Register n
Stack Pointer (SP)
Frame Pointer (FP)
Main Memory
Communication Channels
File Handles
File System

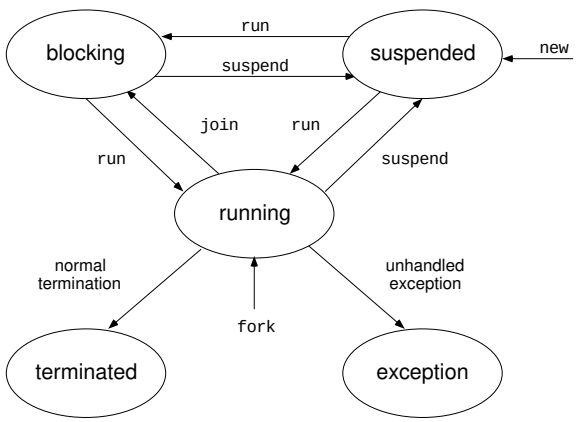

Employee
expense data
Secretary
expense report
Group Manager
Finance Department
project budget DB


Employee
expense data
expense report
expense report
expense report
Secretary
Group Manager
Finance Department
project budget DB


Employee
expense data
step2
expense report
Secretary
Group Manager
Finance Department
step3
step4
project budget DB


A
int
print
statistic
info
count
database
print
info
database
B
print
int
info
count
database


state
stack
result
thread
stack
EP
SP
FP
IP
OR
CF
joined
blocked
joined
Thread
copies of the
virtual machine's
register contents
thread
thread
...
thread
list of blocking threads
...
stack space for
function evaluation


blocking
run
suspended
new
suspend
join
run
run
suspend
running
normal
termination
unhandled
exception
fork
terminated
exception